

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/AU2004/001006

## A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. <sup>7</sup>: C12N 5/06, C12N 5/08

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

SEE BELOW

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SEE BELOW

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

Databases: WPIDS, CA, MEDLINE; Keywords: serum-free and like terms; IGF-1 or IGF-2 or insulin like growth factor 1/2; cultur? or medium; keratinocyt? or epitheli? or cornea or epiderm?; IGFBP; EGF; bFGF.

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,292,655 A (WILLE, JR.) 8 March 1994  Whole document	1-5, 7, 19, 20, 22-26
X	US 5,834,312 A (WILLE, JR.) 10 November 1998  Whole document	1-5, 7, 19, 20, 22-26
X	WO 2000/027996 A1 (CONSORZIO PER LA GESTIONE DEL CENTRO DI BIOTECHNOLOGIE AVANZATE et al.) 18 May 2000  Example 2, Tables 1 and 2	1-5, 7, 19, 20, 22, 23

☒ Further documents are listed in the continuation of Box C

☒ See patent family annex

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search  
15 September 2004

Date of mailing of the international search report  
27 SEP 2004

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X.	WO 2003/102134 A (BECTON DICKINSON AND COMPANY et al.) 11 December 2003  p. 11-13, Example 1, 2	1-7, 11, 13-15, 19-23
X	Onishi, T., et al., 1999, Stimulation of proliferation and differentiation of dog dental pulp cells in serum-free culture medium by insulin-like growth factor, <i>Archives of Oral Biology</i> , 44(4):361-371  p. 362-363, <i>Effect of IGF I, IGF II and insulin on dog pulp cells</i>	1-5, 7, 19, 20, 22, 23
X	Chapinyo, K. et al., 2002, Effects of growth factors on cell proliferation and matrix synthesis of low-density, primary bovine chondrocytes cultured in collagen I gels, <i>Journal of Orthopaedic Research</i> , 20:1070-1078  p. 1071, <i>Bovine chondrocyte culture</i> ; p. 1072, <i>Cell proliferation</i>	1-5, 7, 19, 20, 22, 23
X	Nielsen, F. C. and Gammeltoft, S., 1988, Insulin-like growth factors are mitogens for rat pheochromocytoma PC 12 cells, <i>Biochemical and Biophysical Research Communications</i> , 154(3):1018-1023  p. 1020, <i>Results and Discussion</i> , second paragraph	1-7, 20, 22, 23
P, X	Hyde, C. et al., 2004, Insulin-like growth factors (IGF) and IGF-binding proteins bound to vitronectin enhance keratinocyte protein synthesis and migration, <i>Journal of Investigative Dermatology</i> , 122:1198-1206  Whole document	1-33
A	WO 2002/024219 A1 (QUEENSLAND UNIVERSITY OF TECHNOLOGY) 28 March 2002  Whole document	1-33

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU2004/001006

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
US	5292655	US	5686307	US	5795781	US	5834312
		US	5912175	US	6162643		
WO	2000/027996	AU	13804/00	CA	2348687	EP	1131407
		US	6617159				
WO	2003/102134	US	2004127406	US	2004132183	WO	03100026
		WO	03100038	WO	03102171		
WO	2002/024219	AU	91493/01	CA	2424394	EP	1333853
		US	2004049017				
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.							
END OF ANNEX							